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EXAMINER

LE, MIRANDA

ART UNIT	PAPER NUMBER
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2177

DATE MAILED: 01/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/809,668

Applicant(s)

TERAYAMA ET AL.

Examiner

Miranda Le

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 October 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s) _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. This communication is responsive to Amendment A, filed 10/14/2003.
2. Claims 1-28 are pending in this application. Claims 1, 12, 22, 24 are independent claims. In the Amendment A, claims 1, 12, 22, 24 have been amended. This action is made Final.
3. The objection to the specification (claim objection) of the invention has been withdrawn in view of the amendment.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 12-19, 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blonder et al. (US Patent No. 6,098,085), in view of Jones et al. (US Patent No. 6,415,307).

As per claim 12, Blonder teaches "file storage means for storing the file" at col. 4, lines 16-63;

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“detector means for detecting the identifier which indicates the data displayable on a limited-capability device from the file stored in said first file storage means” at col. 8, lines 10-17;

“control means for controlling the detector means to detect the identifier indicating the start and the end of the displayable data for the purpose of extracting the data displayable on the limited-capability device from said first file stored in said file storage means, for controlling said extractor means to extract, as a new output file, data including the start and the end indicated by the identifier from said first file, and for controlling said output means to output the new output file to the limited-capability device” at col. 8, lines 10-17, col. 13, lines 11-25, col. 5, line 52 to col. 6, line 14;

Blonder teaches “extractor means for extracting, from said first file, the data with the start and the end thereof indicated, in accordance with the identifier detected by the detector means” at col. 6, lines 1-14, col. 8, line 44 to col. 9, line 12. Blonder, however, does not explicitly teach “wherein the extracted data is one of a map, a coupon, and address information”, Jones teaches this limitation at col. 3, lines 6-61, col. 12, lines 52-67;

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “wherein the extracted data is one of a map, a coupon, and address information” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

Blonder teaches “output means for outputting the extracted data to the limited-capability device” at col. 13, lines 11-25; but Blonder does not specifically teach “whereby the limited-

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capability device displays on a screen thereof one of the map, the coupon and the address information". However, Jones teaches this limitation at 3, lines 6-61, col. 12, lines 52-67, col. 9, lines 6-54.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include "whereby the limited-capability device displays on a screen thereof one of the map, the coupon and the address information" in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

As per claim 22, Blonder teaches "a step of initializing a first data buffer for buffering data when a plurality of pieces of data is read from the file" at col. 8, lines 10-36;

"a step of detecting the identifier indicating the start of the data in the file, based on a rule for processing the data in the file into a data format displayable on the limited capability device, when the data is from the file and is stored in the first data buffer" at col. 8, lines 10-17, col. 6, lines 15-31;

"a step of detecting the identifier indicating the end of the data in response to the identifier indicating the end of the detected data" at col. 8, lines 10-17, col. 6, lines 15-31;

"a step of holding the data in the file, from the start thereof, into the first data buffer, based on the identifier indicating the start of the detected data" at col. 5, line 52 to col.6, line 14.

Blonder does not specifically teach the following limitations. However, Jones teaches "a step of moving the data stored in the first data buffer to a second data buffer for evacuation" at col. 39, lines 16-18;

“a step of moving the data evacuated into the second data buffer to the first data buffer for restoration” at col. 4, lines 4-49.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “a step of holding the data in the file, from the start thereof, into the first data buffer, based on the identifier indicating the start of the detected data; a step of moving the data evacuated into the second data buffer to the first data buffer for restoration” in order to enable a file conversion method for converting a file composed of a plurality of pieces of data displayable on a display unit into data displayable on a connected limited-capability device.

Blonder does not expressly teach “a step of displaying the data stored in the first buffer to be shaped for the limited capability device”. However, Jones teaches this limitation at col. 4, lines 4-49, col. 41, line 55.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “a step of displaying the data stored in the first buffer to be shaped for the limited capability device” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

Blonder does not explicitly teach “a step of shaping the displayed data for display on the limited-capability device”. However, Jones teaches this limitation at col. 3, lines 6-61, col. 9, lines 6-54, col. 12, lines 52-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “a step of shaping the

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displayed data for display on the limited-capability device” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

As per claim 13, Blonder teaches “an extracted data storage means for storing the extracted data as candidate data to be output to the limited-capability device” at col. 6, lines 1-14, col. 8, line 44 to col. 9, line 12.

As per claim 14, Blonder teaches “the data converter selectively outputs the data from among data stored in said extracted data storage means to the limited capability device in response to an instruction of a user” at col. 16, line 20 to col. 17, line 11.

As per claim 15, Blonder teaches “an image converter means for converting an image file indicated by said first file into data displayable on the limited-capability device” at col. 7, lines 19-28.

As per claim 16, Blonder teaches “a rule file storage means for storing a conversion rule file for converting said image file into an image file displayable on the limited-capability device” at col. 7, lines 19-28,

wherein said image converter means performs image conversion based on data indicating a screen size of the limited-capability device included in said conversion rule file” at col. 12, lines 66-67.

As per claim 17, Blonder teaches “a display data output means for converting said first file into a data format displayable on the limited-capability device for displaying said first file, wherein the data converter acquires a file which is converted to be output to the limited-capability device from a file buffer means which buffers at least one file of the display data output means” at col. 5, lines 52-67.

As per claim 18, Blonder teaches “a data communication means for acquiring the file through a communication network” at col. 7, line 19 to col. 8, line 3.

As per claim 19, Blonder teaches “the data converter restricts, to the limited-capability device, the outputting of data not displayable on the limited-capability device, from among data from the start to the end indicated by the extracted identifier” at col. 16, line 20 to col. 17, line 11.

As per claim 23, Blonder teaches “a step of storing, in a storage means, data from the first data buffer as data to be processed” at col. 5, line 52 to col. 6, line 14;

Blonder does not expressly teach “a step of moving the data evacuated into the second data buffer to the first data buffer for restoration”. However, Jones teaches this limitation at col. 4, lines 4-49.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “a step of moving the data evacuated into the second data buffer to the first data buffer for restoration” in order to

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enable a file conversion method for converting a file composed of a plurality of pieces of data displayable on a display unit into data displayable on a connected limited-capability device.

6. Claims 20-21, 24-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blonder et al. (US Patent No. 6,098,085), in view of Jones et al. (US Patent No. 6,415,307), and further in view of Serbinis et al. (US Patent No. 6,584,466 B1).

As per claim 24, Blonder teaches “storage means for: storing the file input thereto” at col. 4, lines 16-63;

“detector means for detecting an identifier which indicates the data, which is processable by the second apparatus, from the file stored in the storage means” at col. 8, lines 10-17;

Blonder teaches “extractor means for extracting, from the input file, the data which is detected by the detector means and is processed into data processable by the second apparatus” at col. 6, lines 1-14, col. 8, line 44 to col. 9, line 12; but Blonder does not teach “wherein the extracted data is one of a map, a coupon, and address information”. Jones teaches this limitation at col. 16, lines 36-47, col. 3, lines 6-61, col. 9, lines 6-54, col. 12, lines 52-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “wherein the extracted data is one of a map, a coupon, and address information” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

Blonder does not specifically teach “display means for displaying the data received by the receiver means in the form of one of the map, the coupon, and the address information”.

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However, Jones teaches this limitation at col. 16, lines 36-47, col. 3, lines 6-61, col. 9, lines 6-54, col. 12, lines 52-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Jones to include “display means for displaying the data received by the receiver means in the form of one of the map, the coupon, and the address information” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

Blonder, Jones do not expressly teach the following limitations. However, Serbinis teaches:

“processing means for processing the extracted data into the data that is processable by the second apparatus” at Fig. 1A;

“output means for outputting the data, which has been processed to be processable by the second apparatus, to the second apparatus” at col. 4, lines 41-61, col. 9, lines 33-49;

“control means for controlling the storage means to store the file input thereto in the storage means, for controlling the detector means to detect the identifier that indicates, from the file stored in the storage means, data that can be processed to be processable by the second apparatus, for controlling the extractor means to extract: the data that is processed by the processing means in accordance with the identifier detected by the detector means, and for controlling the output means to output the data that has been processed by the processing means” at col. 4, lines 41-61, Fig. 1A;

“wherein the second apparatus comprises: receiver means for receiving the data output by the first apparatus” at col. 4, lines 41-61, col. 9, lines 33-49;

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Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder, Jones with the teachings of Serbinis to include “processing means...output means...control means...data that can be processable by the second apparatus” in order to provide users a plurality of document management services, including document storage and retrieval, collaborative file sharing and workflow services for electronic documents, an electronic document delivery service, and a document distribution service.

As per claim 25, Blonder teaches “the first apparatus further comprises a receiver means, and wherein the receiver means receives the file from a file server connected to the receiver means via a network” at col. 7, line 19 to col. 8, line 3.

As per claim 26, Blonder teaches “a buffer means for buffering the data extracted from the file by the control means, and wherein the control means controls the buffer means to buffer the extracted data while processing the data buffered in the buffer means” at col. 8, lines 17-23.

As per claim 27, Blonder teaches “the first apparatus further comprises an operation means operated by a user” at col. 7, lines 1-11, col. 16, lines 20-67,

Serbinis teaches “and wherein the control means outputs the data, designated on the operation means by the user, to the second apparatus” at col. 4, lines 41-61, Fig. 1A.

As per claim 28, Serbinis teaches “an operation means operated by a user” at col. 4, lines 41-61, col. 9, lines 33-49, col. 12, lines 24-59;

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“and a storage means for storing the data received by the receiver means” at col. 5, lines 36-62,

wherein the data designated on the operation means by the user is read from the storage means and is displayed on the display means” at col. 4, line 41 to col. 5, line 62.

As per claim 20, Blonder does not explicitly teach “an expiration date extractor means for extracting, from the identifier, expiration date data indicating the expiration date of the data extracted by the identifier; and an expiration date determination means for determining the expiration date of the extracted data based on the expiration date of the extracted data”.

However, Serbinis teaches this limitation at col. 9, lines 21-33.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Serbinis to include “an expiration date extractor means for extracting, from the identifier, expiration date data indicating the expiration date of the data extracted by the identifier; and an expiration date determination means for determining the expiration date of the extracted data based on the expiration date of the extracted data” in order to provide users a plurality of document management services, including document storage and retrieval, collaborative file sharing and workflow services for electronic documents, an electronic document delivery service, and a document distribution service.

As per claim 21, Blonder does not specifically teach “a data renewal means for renewing the expiration date of the extracted data when it is determined that the extracted data has expired”. However, Serbinis teaches this limitation at col. 9, lines 21-33.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Serbinis to include “a data renewal means for renewing the expiration date of the extracted data when it is determined that the extracted data has expired” in order to provide a system that enable detailed accounting of transactions occurring on the system, and a customization function that permits multiple service providers to utilize the common document management services of a server, while presenting end-user with distinct dedicated websites.

7. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Blonder et al. (US Patent No. 6,098,085), in view of Grossweiler; III et al. (US Patent No. 6,573,916 B1), and further in view of Jones et al. (US Patent No. 6,415,307).

As per claim 1, Blonder teaches “a step of detecting the identifier by reading the file” at col. 5, line 52 to col. 6, line 14, at col. 8, lines 10-17;

“a step of extracting the data, the start and the end of which are indicated by the determined identifier and which is determined to be displayable on the limited-capability device” at col. 6, lines 1-14, col. 8, line 44 to col. 9, line 12;

Blonder does not expressly teach “a step of determining whether the data indicated by the detected identifier is displayable on the limited-capability device”. However, Grossweiler teaches this limitation at col. 6, lines 19-41.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder with the teachings of Grossweiler to include “a step of determining whether the data indicated by the detected identifier is displayable on the limited-capability device” in order to provide a method of operating a computing system that

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includes a display for rendered graphical images and an electronic tag reader configured to read an identifier of the electronic tag providing signals indicating target regions within images presented by the display.

Blonder, Grossweiler; III do not explicitly teach the following limitations. However, Jones teaches:

“displaying the extracted data to be shaped for the limited-capability device” at col. 3, lines 6-61, col. 9, lines 6-54, col. 12, lines 52-67;

“shaping the extracted data for display on the limited-capability device” at col. 3, lines 6-61, col. 9, lines 6-54, col. 12, lines 52-67;

“a step of outputting an output file which is newly created from the extracted data that has been shaped, as a different file from the first file” at col. 9, line 55 to col. 10, line 26.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder, Grossweiler with the teachings of Jones to include “displaying the extracted data to be shaped for the limited-capability device; shaping the extracted data for display on the limited-capability device; a step of outputting an output file which is newly created from the extracted data that has been shaped, as a different file from the first file” in order to provide a computerized contextual display and image navigation tools allow the viewer a highly interactive experience with the publication.

As per claim 2, Blonder teaches “the step of extracting the data is performed by referencing a conversion definition file that defines the identifier of the data that is displayable on the limited-capability device” at col. 9, lines 28-38, col. 10, lines 8-57.

As per claim 3, Blonder teaches “the conversion definition file includes a rule for converting an image data file, and wherein the file conversion method comprises a step of outputting, to the limited-capability device, the image data file which has been converted based on the conversion rule of the image data file” at col. 12, line 66 to col. 13, line 3, Fig. 10.

As per claim 4, Blonder teaches “the conversion definition file includes information of an image size displayable on the limited-capability device” at col. 7, lines 19-28.

As per claim 5, Blonder teaches “the file comprises category information, and wherein the file conversion method comprises a step of selecting the conversion definition file to be used, based on the category information of the file among a plurality of conversion definition files” at col. 4, lines 32-48.

As per claim 6, Blonder teaches “a file name of a file output as a new file uses a symbol string indicated by the predetermined identifier” at col. 12, lines 17-28.

As per claim 7, Blonder teaches “a step of selecting a file to be output to the limited-capability device from among the extracted data in response to an instruction from a user” at col. 16, line 20 to col. 17, line 11.

As per claim 8, Blonder teaches “a step of acquiring the first file through a communication network from a data storage apparatus” at col. 7, line 19 to col. 8, line 3.

As per claim 9, Blonder teaches “the step of extracting the data comprises initializing a data buffer” at col. 5, lines 52-67, col. 8, lines 17-24,

“and buffering in the data buffer the data included in the first file, the start and the end of which are indicated by the detected identifiers” at col. 5, lines 52-67.

As per claim 10, Blonder teaches “the outputting of the data, the start and the end of which are indicated by the identifiers, to the limited-capability device is restricted in accordance with the identifiers” at col. 12, lines 17-65.

8. Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Blonder et al. (US Patent No. 6,098,085), in view of Grossweiler; III et al. (US Patent No. 6,573,916 B1), and Jones et al. (US Patent No. 6,415,307), and further in view of Serbinis et al. (US Patent No. 6,584,466 B1).

As per claim 11, Blonder teaches “the expiration date of the data, the start and the end of which are indicated by the identifiers, is indicated by the identifiers” at col. 6, lines 1-14.

Blonder, Grossweiler; III, Jones do not expressly teach “the expiration date of the data”. However, Serbinis teaches this limitation at col. 9, lines 21-33.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention to modify the teachings of Blonder, Grossweiler, Jones with the teachings of Serbinis to include “the expiration date of the data” in order to provide users a plurality of document management services, including document storage and retrieval, collaborative file sharing and workflow services for electronic documents, an electronic document delivery service, and a document distribution service.

Response to Arguments

9. Applicant's arguments with respect to claims 1, 12, 22, 24 regarding "Blonder et al. is completely silent concerning displaying a map or similar image on a limited display capability" have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Miranda Le whose telephone number is (703) 305-3203. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E. Breene, can be reached on (703) 305-9790. The fax number to this Art Unit is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.



Miranda Le
January 9, 2004



GRETA ROBINSON
PRIMARY EXAMINER